OBESITY GENE AND USE THEREOF

ABSTRACT OF THE DISCLOSURE

5   The present invention relates generally to the field of human genetics. Specifically, the present invention relates to methods and materials used to isolate and detect a human obesity and diabetes predisposing gene, specifically the *TBC1D1* gene, some mutant alleles of which cause susceptibility to obesity and/or diabetes. More specifically, the invention relates to germline mutations in the *TBC1D1* gene and their

10   use in the diagnosis of predisposition to obesity and diabetes. Finally, the invention relates to the screening of the *TBC1D1* gene for mutations/alterations, which are useful for diagnosing the predisposition to obesity.